R E Sockett

List of Publications by Year
in descending order

46 papers	2,645 citations	172457 29 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	1916 citing authors

#	Article	IF	Citations
1	Asymmetric peptidoglycan editing generates cell curvature in Bdellovibrio predatory bacteria. Nature Communications, 2022, 13, 1509.	12.8	12
2	Production of 3â€²,3â€²-cGAMP by a Bdellovibrio bacteriovorus promiscuous GGDEF enzyme, Bd0367, regulates exit from prey by gliding motility. PLoS Genetics, 2022, 18, e1010164.	3.5	11
3	Microbe Profile: Bdellovibrio bacteriovorus: a specialized bacterial predator of bacteria. Microbiology (United Kingdom), 2021, 167, .	1.8	15
4	A lysozyme with altered substrate specificity facilitates prey cell exit by the periplasmic predator Bdellovibrio bacteriovorus. Nature Communications, 2020, 11, 4817.	12.8	35
5	Dual Predation by Bacteriophage and Bdellovibrio bacteriovorus Can Eradicate Escherichia coli Prey in Situations where Single Predation Cannot. Journal of Bacteriology, 2020, 202, .	2.2	29
6	Nucleotide signaling pathway convergence in a cAMPâ€sensing bacterial câ€diâ€GMP phosphodiesterase. EMBO Journal, 2019, 38, e100772.	7.8	11
7	Dynamics of Chromosome Replication and Its Relationship to Predatory Attack Lifestyles in Bdellovibrio bacteriovorus. Applied and Environmental Microbiology, 2019, 85, .	3.1	19
8	Evolutionary diversification of the RomR protein of the invasive deltaproteobacterium, Bdellovibrio bacteriovorus. Scientific Reports, 2019, 9, 5007.	3.3	6
9	Engulfment, persistence and fate of Bdellovibrio bacteriovorus predators inside human phagocytic cells informs their future therapeutic potential. Scientific Reports, 2019, 9, 4293.	3.3	24
10	Examining diabetic heel ulcers through an ecological lens: microbial community dynamics associated with healing and infection. Journal of Medical Microbiology, 2019, 68, 230-240.	1.8	34
11	Nature knows best: employing whole microbial strategies to tackle antibiotic resistant pathogens. Environmental Microbiology Reports, 2017, 9, 47-49.	2.4	8
12	Predatory Bacteria: Moving from Curiosity Towards Curative. Trends in Microbiology, 2017, 25, 90-91.	7.7	12
13	Fluorescent D-amino-acids reveal bi-cellular cell wall modifications important for Bdellovibrio bacteriovorus predation. Nature Microbiology, 2017, 2, 1648-1657.	13.3	103
14	Measuring and modelling the response of Klebsiella pneumoniae KPC prey to Bdellovibrio bacteriovorus predation, in human serum and defined buffer. Scientific Reports, 2017, 7, 8329.	3.3	29
15	Predator Versus Pathogen: How Does Predatory Bdellovibrio bacteriovorus Interface with the Challenges of Killing Gram-Negative Pathogens in a Host Setting?. Annual Review of Microbiology, 2017, 71, 441-457.	7.3	67
16	Interrupting peptidoglycan deacetylation during Bdellovibrio predator-prey interaction prevents ultimate destruction of prey wall, liberating bacterial-ghosts. Scientific Reports, 2016, 6, 26010.	3.3	39
17	Injections of Predatory Bacteria Work Alongside Host Immune Cells to Treat Shigella Infection in Zebrafish Larvae. Current Biology, 2016, 26, 3343-3351.	3.9	131
18	Arsenic rich Himalayan hot spring metagenomics reveal genetically novel predatorâ€“prey genotypes. Environmental Microbiology Reports, 2015, 7, 812-823.	2.4	47

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19	Ankyrin-mediated self-protection during cell invasion by the bacterial predator Bdellovibrio bacteriovorus. Nature Communications, 2015, 6, 8884.	12.8	37
20	Structural and Biochemical Analysis of a Unique Phosphatase from Bdellovibrio bacteriovorus Reveals Its Structural and Functional Relationship with the Protein Tyrosine Phosphatase Class of Phytase. PLoS ONE, 2014, 9, e94403.	2.5	14
21	Bdellovibrio: Lone Hunter â€œCousinâ€•of the â€œPack Huntingâ€•Myxobacteria. , 2014, , 349-362.		2
22	Ras GTPase-Like Protein MglA, a Controller of Bacterial Social-Motility in Myxobacteria, Has Evolved to Control Bacterial Predation by Bdellovibrio. PLoS Genetics, 2014, 10, e1004253.	3.5	44
23	Bdellovibrio bacteriovorus HD100 guards against Pseudomonas tolaasii brown-blotch lesions on the surface of post-harvest Agaricus bisporus supermarket mushrooms. BMC Microbiology, 2014, 14, 163.	3.3	41
24	A small predatory core genome in the divergent marine Bacteriovorax marinus SJ and the terrestrial Bdellovibrio bacteriovorus. ISME Journal, 2013, 7, 148-160.	9.8	43
25	Nucleases inBdellovibrio bacteriovoruscontribute towards efficient self-biofilm formation and eradication of preformed prey biofilms. FEMS Microbiology Letters, 2013, 340, 109-116.	1.8	31
26	Discrete Cyclic di-GMP-Dependent Control of Bacterial Predation versus Axenic Growth in Bdellovibrio bacteriovorus. PLoS Pathogens, 2012, 8, e1002493.	4.7	80
27	Specialized Peptidoglycan Hydrolases Sculpt the Intra-bacterial Niche of Predatory Bdellovibrio and Increase Population Fitness. PLoS Pathogens, 2012, 8, e1002524.	4.7	70
28	Genome analysis of a simultaneously predatory and prey-independent, novel Bdellovibrio bacteriovorus from the River Tiber, supports in silico predictions of both ancient and recent lateral gene transfer from diverse bacteria. BMC Genomics, 2012, 13, 670.	2.8	46
29	The Structure of an Unconventional HD-GYP Protein from Bdellovibrio Reveals the Roles of Conserved Residues in this Class of Cyclic-di-GMP Phosphodiesterases. MBio, 2011, 2, .	4.1	73
30	Predatory Bdellovibrio Bacteria Use Gliding Motility To Scout for Prey on Surfaces. Journal of Bacteriology, 2011, 193, 3139-3141.	2.2	41
31	The Bdellovibrio bacteriovorus twin-arginine transport system has roles in predatory and prey-independent growth. Microbiology (United Kingdom), 2011, 157, 3079-3093.	1.8	14
32	Effects of Orally Administered Bdellovibrio bacteriovorus on the Well-Being and Salmonella Colonization of Young Chicks. Applied and Environmental Microbiology, 2011, 77, 5794-5803.	3.1	150
33	Three motAB Stator Gene Products in Bdellovibrio bacteriovorus Contribute to Motility of a Single Flagellum during Predatory and Prey-Independent Growth. Journal of Bacteriology, 2011, 193, 932-943.	2.2	27
34	The First Biteâ€” Profiling the Predatosome in the Bacterial Pathogen Bdellovibrio. PLoS ONE, 2010, 5, e8599.	2.5	82
35	Shadowing the Actions of a Predator: Backlit Fluorescent Microscopy Reveals Synchronous Nonbinary Septation of Predatory Bdellovibrio inside Prey and Exit through Discrete Bdelloplast Pores. Journal of Bacteriology, 2010, 192, 6329-6335.	2.2	76
36	Roles of Multiple Flagellins in Flagellar Formation and Flagellar Growth Post Bdelloplast Lysis in Bdellovibrio bacteriovorus. Journal of Molecular Biology, 2009, 394, 1011-1021.	4.2	32

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37	Laboratory Maintenance of Bdellovibrio. Current Protocols in Microbiology, 2008, 9, Unit 7B.2.	6.5	45
38	Predation by Bdellovibrio bacteriovorus HD100 Requires Type IV Pili. Journal of Bacteriology, 2007, 189, 4850-4859.	2.2	111
39	Bdellovibrio: growth and development during the predatory cycle. Current Opinion in Microbiology, 2006, 9, 639-644.	5.1	54
40	Characterizing the flagellar filament and the role of motility in bacterial prey-penetration by Bdellovibrio bacteriovorus. Molecular Microbiology, 2006, 60, 274-286.	2.5	125
41	Bdellovibrio Predation in the Presence of Decoys: Three-Way Bacterial Interactions Revealed by Mathematical and Experimental Analyses. Applied and Environmental Microbiology, 2006, 72, 6757-6765.	3.1	53
42	Bdellovibrio as therapeutic agents: a predatory renaissance?. Nature Reviews Microbiology, 2004, 2, 669-675.	28.6	159
43	A Predator Unmasked: Life Cycle of Bdellovibrio bacteriovorus from a Genomic Perspective. Science, 2004, 303, 689-692.	12.6	331
44	A novel assay to monitor predator-prey interactions for Bdellovibrio bacteriovorus 109 J reveals a role for methyl-accepting chemotaxis proteins in predation. Environmental Microbiology, 2003, 5, 127-132.	3.8	98
45	The home stretch, a first analysis of the nearly completed genome of Rhodobacter sphaeroides 2.4.1. Photosynthesis Research, 2001, 70, 19-41.	2.9	129
46	Evidence for Î²-sheet conformation in vesicle-bound peptides derived from the transmembrane bacterial flagellar motor protein MotB from Rhodobacter sphaeroides. Perkin Transactions II RSC, 2000, , 479-483.	1.1	0